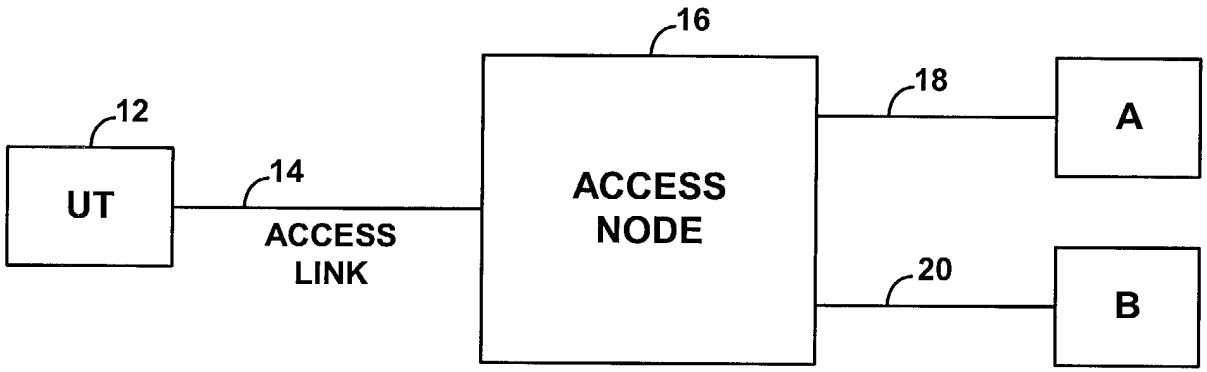

16
12
UT
14
ACCESS
LINK
ACCESS
NODE
18
A
20
B
10

FIG. 1

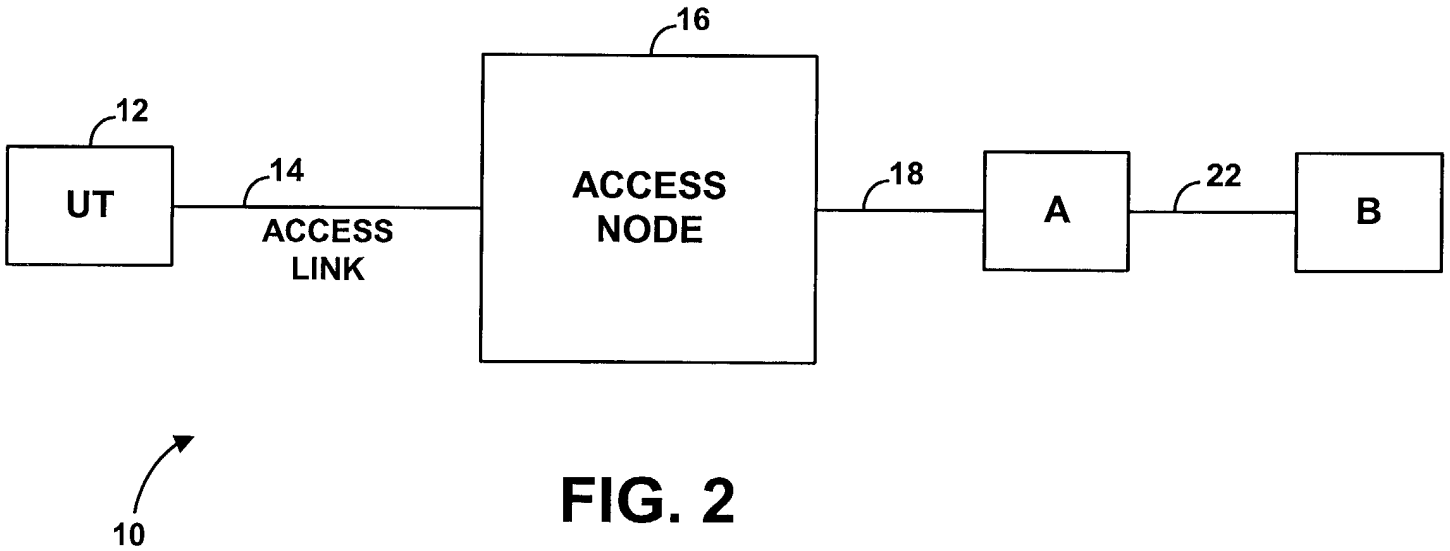

16
12
UT
14
ACCESS
LINK
ACCESS
NODE
18
A
22
B
10

FIG. 2

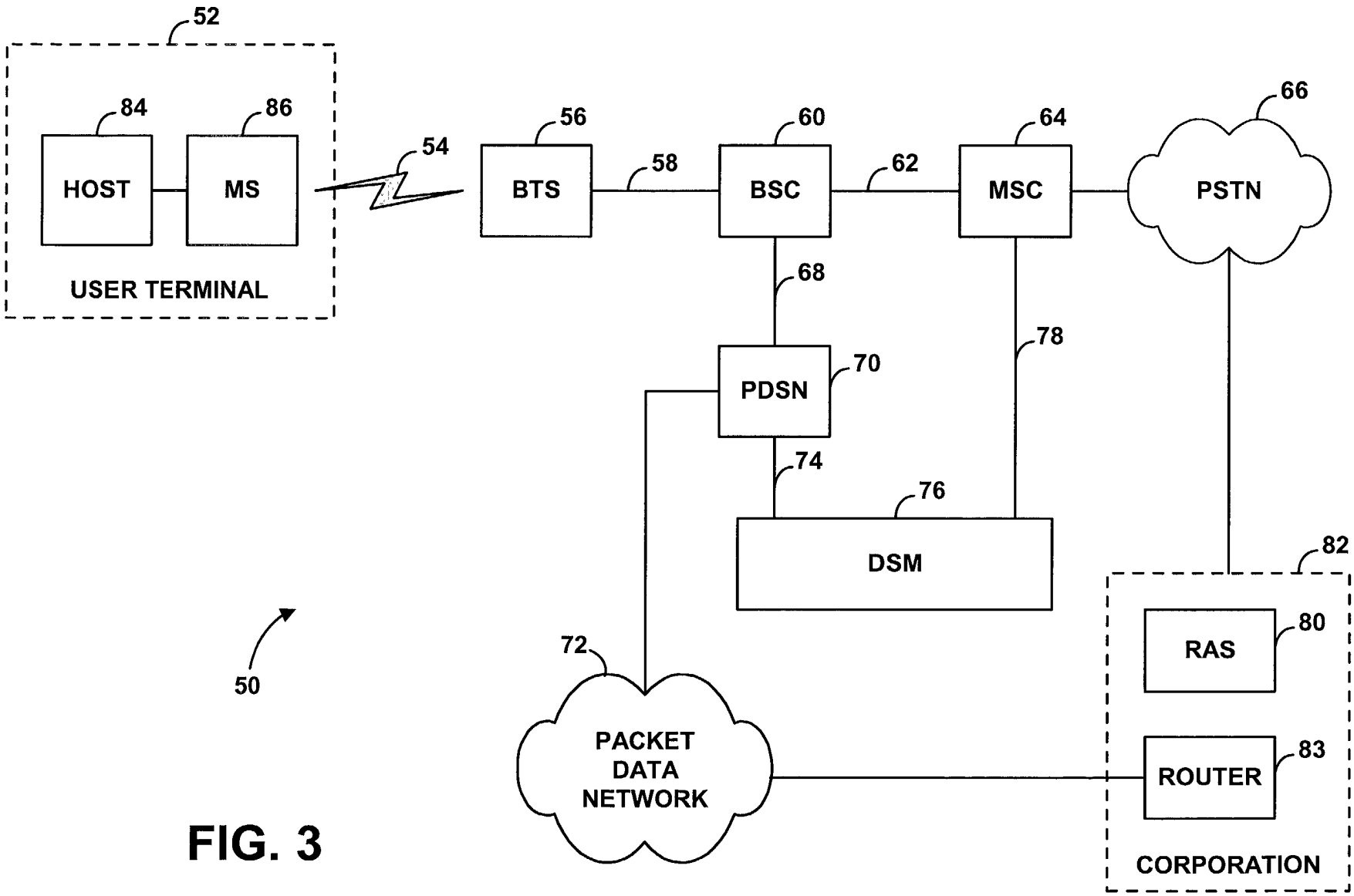

52
84
86
HOST
MS
USER TERMINAL
54
56
BTS
58
60
BSC
62
64
MSC
66
PSTN
68
PDSN
70
74
78
76
DSM
82
RAS
80
72
PACKET
DATA
NETWORK
ROUTER
83
CORPORATION
50

FIG. 3

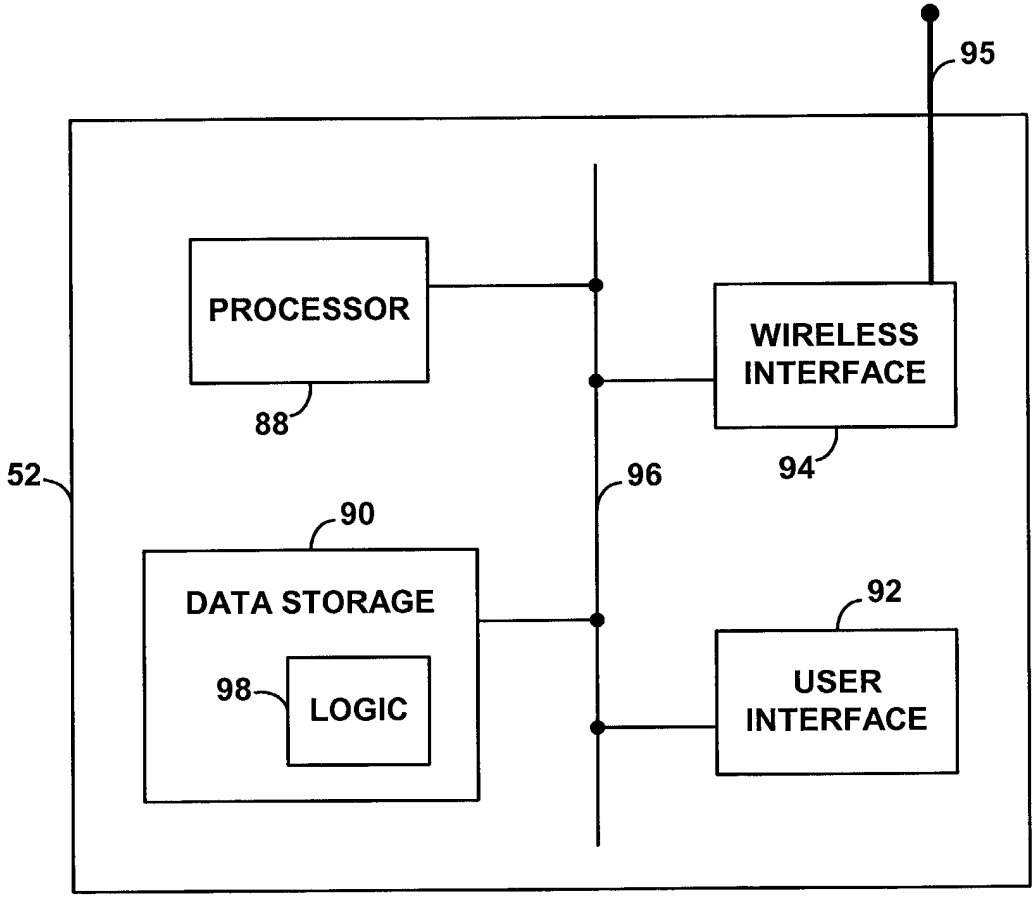

95
PROCESSOR
88
WIRELESS INTERFACE
94
52
96
90
DATA STORAGE
98
LOGIC
92
USER INTERFACE

FIG. 4

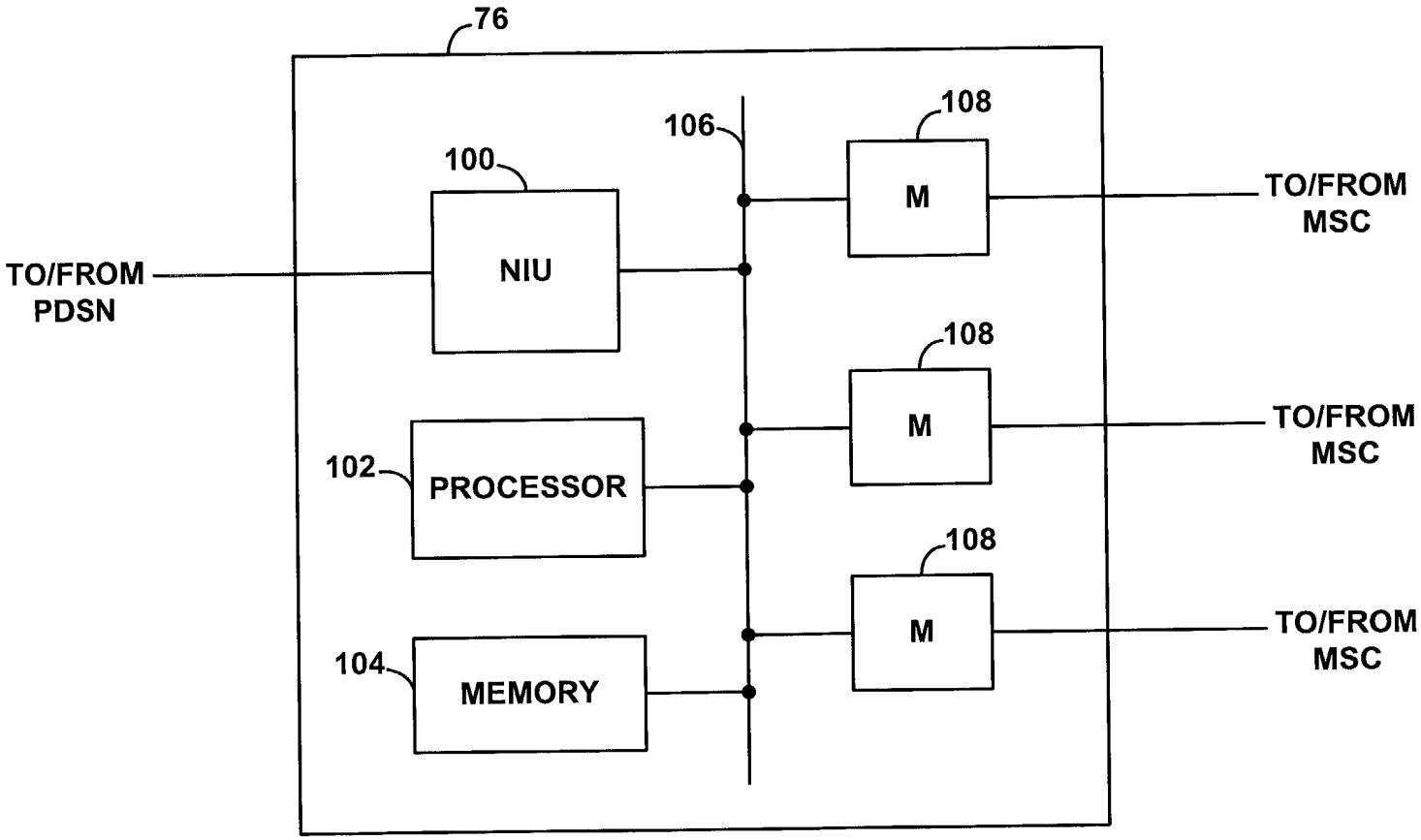

76
106
108
100
M
TO/FROM
MSC
NIU
TO/FROM
PDSN
108
M
TO/FROM
MSC
102
PROCESSOR
108
M
TO/FROM
MSC
104
MEMORY

FIG. 5

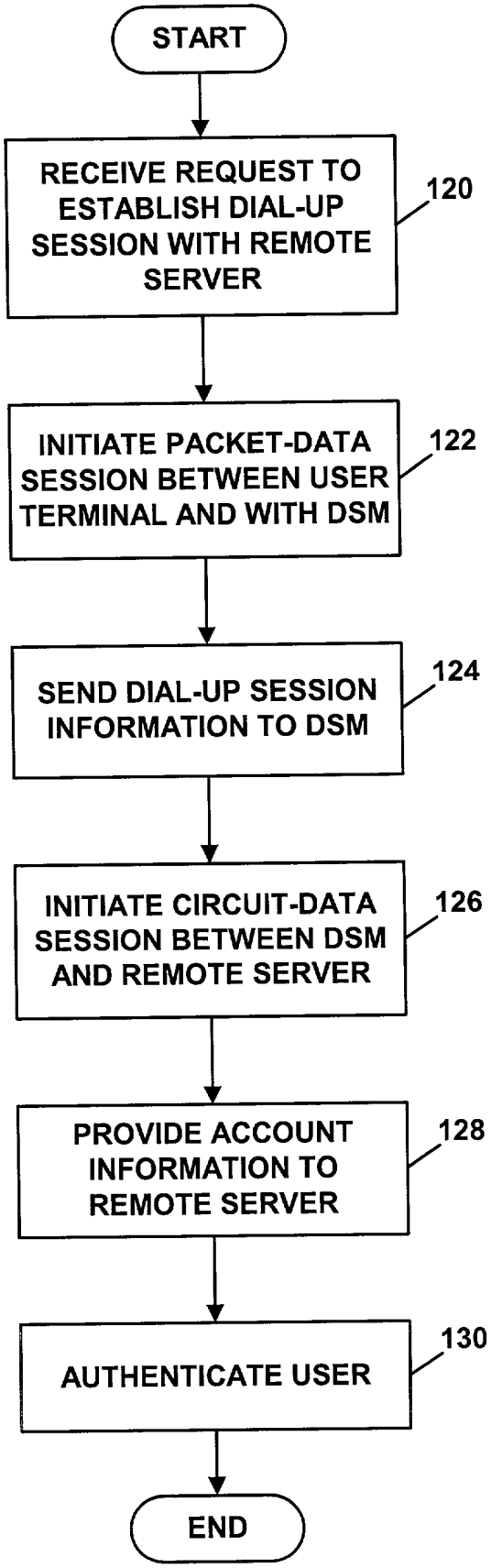

START
RECEIVE REQUEST TO ESTABLISH DIAL-UP SESSION WITH REMOTE SERVER
120
INITIATE PACKET-DATA SESSION BETWEEN USER TERMINAL AND WITH DSM
122
SEND DIAL-UP SESSION INFORMATION TO DSM
124
INITIATE CIRCUIT-DATA SESSION BETWEEN DSM AND REMOTE SERVER
126
PROVIDE ACCOUNT INFORMATION TO REMOTE SERVER
128
AUTHENTICATE USER
130
END

FIG. 6

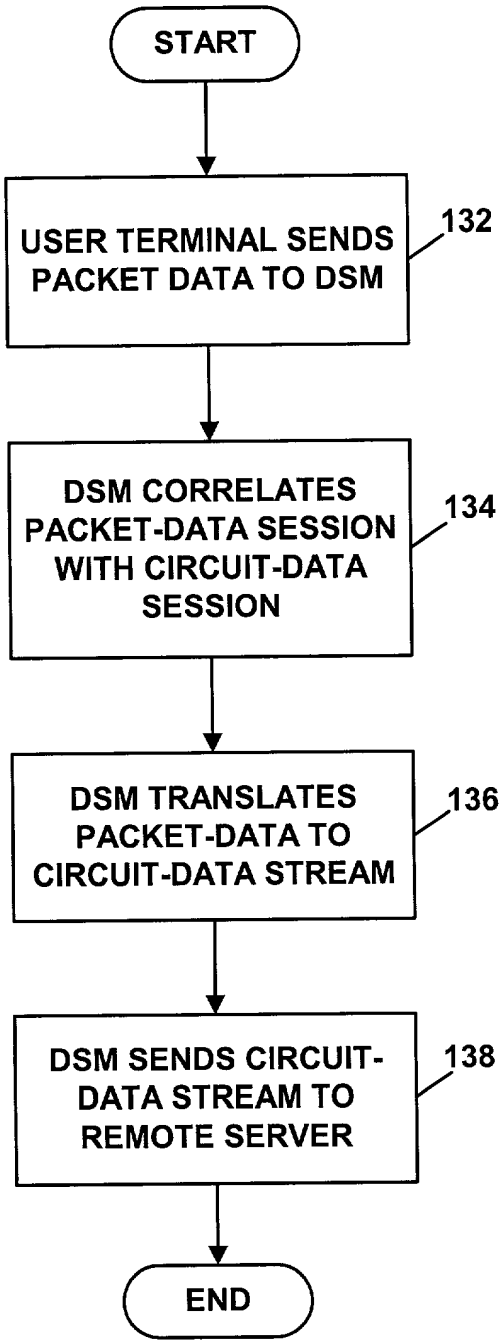

START
USER TERMINAL SENDS PACKET DATA TO DSM
132
DSM CORRELATES PACKET-DATA SESSION WITH CIRCUIT-DATA SESSION
134
DSM TRANSLATES PACKET-DATA TO CIRCUIT-DATA STREAM
136
DSM SENDS CIRCUIT-DATA STREAM TO REMOTE SERVER
138
END

FIG. 7

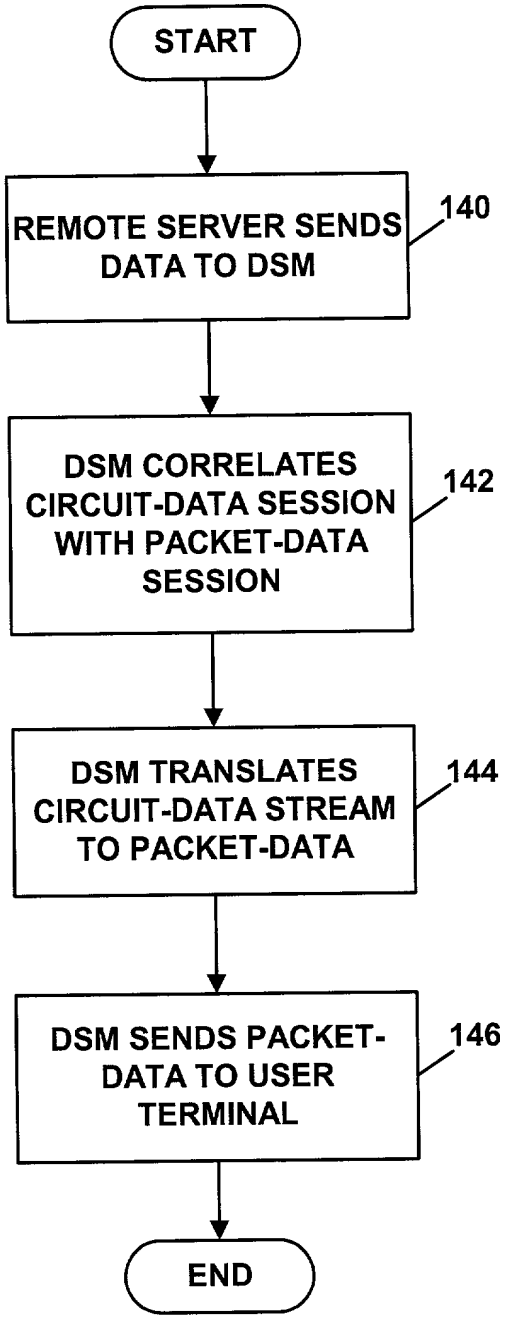
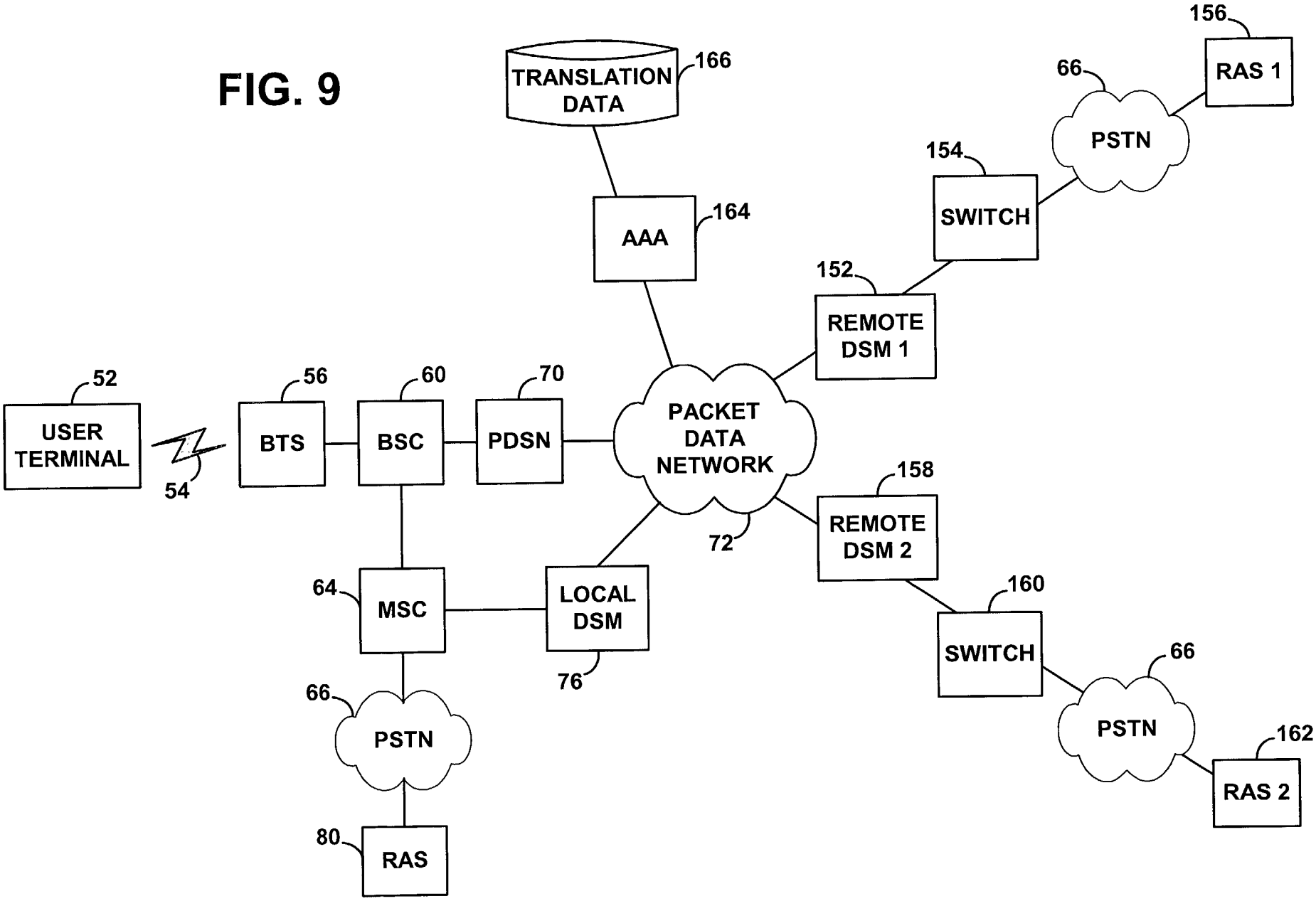

START
REMOTE SERVER SENDS DATA TO DSM
140
DSM CORRELATES CIRCUIT-DATA SESSION WITH PACKET-DATA SESSION
142
DSM TRANSLATES CIRCUIT-DATA STREAM TO PACKET-DATA
144
DSM SENDS PACKET-DATA TO USER TERMINAL
146
END

FIG. 8

FIG. 9


TRANSLATION DATA
166
156
RAS 1
66
PSTN
154
SWITCH
AAA
164
152
REMOTE DSM 1
52
USER TERMINAL
54
56
BTS
60
BSC
70
PDSN
PACKET DATA NETWORK
158
REMOTE DSM 2
72
64
MSC
LOCAL DSM
76
160
SWITCH
66
PSTN
162
RAS 2
66
PSTN
80
RAS

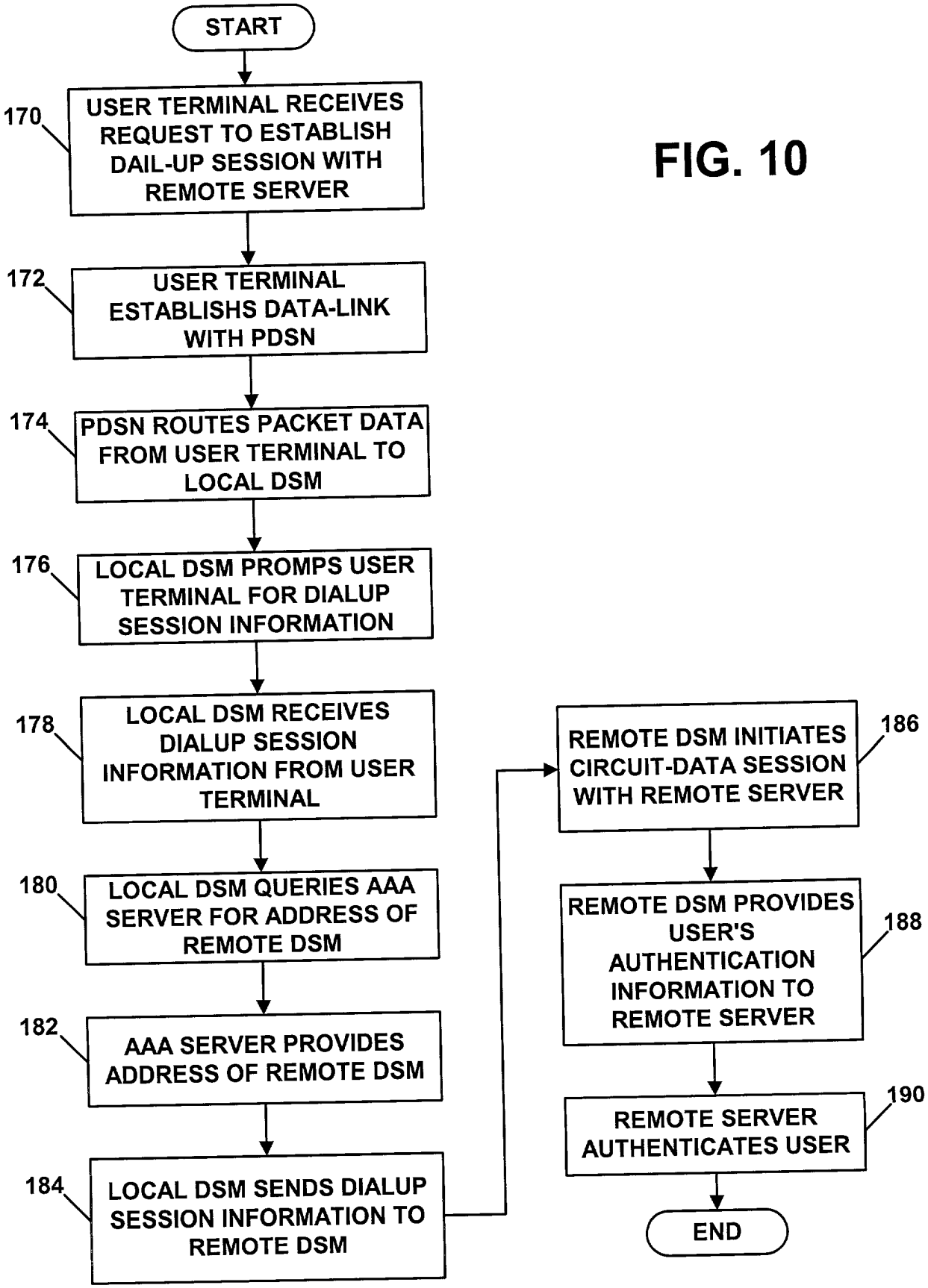

START
170
USER TERMINAL RECEIVES REQUEST TO ESTABLISH DAIL-UP SESSION WITH REMOTE SERVER
172
USER TERMINAL ESTABLISHS DATA-LINK WITH PDSN
174
PDSN ROUTES PACKET DATA FROM USER TERMINAL TO LOCAL DSM
176
LOCAL DSM PROMPS USER TERMINAL FOR DIALUP SESSION INFORMATION
178
LOCAL DSM RECEIVES DIALUP SESSION INFORMATION FROM USER TERMINAL
180
LOCAL DSM QUERIES AAA SERVER FOR ADDRESS OF REMOTE DSM
182
AAA SERVER PROVIDES ADDRESS OF REMOTE DSM
184
LOCAL DSM SENDS DIALUP SESSION INFORMATION TO REMOTE DSM
186
REMOTE DSM INITIATES CIRCUIT-DATA SESSION WITH REMOTE SERVER
188
REMOTE DSM PROVIDES USER'S AUTHENTICATION INFORMATION TO REMOTE SERVER
190
REMOTE SERVER AUTHENTICATES USER
END

FIG. 10